

## 2018 Current Fiscal Year Report: Defense Programs Advisory Committee

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### 1. Department or Agency

Department of Energy

### 2. Fiscal Year

2018

### 3. Committee or Subcommittee

Defense Programs Advisory Committee

### 3b. GSA Committee No.

83065

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

02/08/2019

### 6. Expected Renewal Date

02/08/2021

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority Agency Authority

### 12. Specific Establishment Authority

Agency Authority

### 13. Effective Date

11/27/2012

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee Other Committee

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a. Open 0 17b. Closed 2 17c. Partially Closed 0 Other Activities 0 17d. Total 2 Meetings and Dates

Purpose	Start	End
To provide organizational updates, the path forward on the Committee's Workforce 2042 report to the NNSA in response to its charge, and to have initial discussion on the next charges to the Committee.	02/02/2018	02/02/2018
To finalize the report on Plutonium and discuss the path ahead on new topics.	06/13/2018	06/15/2018

### Number of Committee Meetings Listed: 2

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$38,160.20	\$43,251.60
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$49,707.00	\$74,000.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$46,929.00	\$70,750.00
18d. Total	\$134,796.20	\$188,001.60

**20a. How does the Committee accomplish its purpose?**

The DPAC provides advice and recommendations to the DOE Under Secretary for Nuclear Security/NNSA Administrator through the Deputy Administrator for Defense Programs on issues relating to the U.S. nuclear weapons stockpile. Such issues include, but are not limited to; assessment of the U.S. nuclear weapons stockpile; the science, technology and engineering infrastructure needed to maintain the U.S. stockpile and the overall U.S. nuclear deterrent; and the U.S. nuclear weapons manufacturing and production complex facilities and related technologies.

**20b. How does the Committee balance its membership?**

DPAC's membership consists of not more than 15 members, comprised of recognized scientific and technical experts from scientific and academic communities and the national laboratories. Specific expertise relevant to the mission/function of the Committee includes: high energy density physics (HED), materials science, nuclear physics, advanced computing and simulation, nuclear weapon design, engineering development, industrial production, program management, and other related fields. Membership balance is not static given the broad nature of DPAC's mission.

**20c. How frequent and relevant are the Committee Meetings?**

The DPAC will meet periodically, approximately two to four times a year.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

DPAC provides advice to the NNSA Administrator on how to effectively implement the Defense Programs (DP) mission based on its foundation in national security strategy. The Committee will also work to analyze DP management issues including facility operations and fiscal matters, along with identifying potential applications of DP capabilities to broader national security challenges. DPAC members draw on scientific and technical expertise to identify barriers to the effective execution of the NNSA Administrator's program objectives. DPAC also provides strategic management advice on where and how to focus the Program's resources to achieve maximum impact.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

The purpose of closing the DPAC meeting to hold discussions on topics identified above, is consistent with 5 U.S.C. § 552b(c)(1) and (3). These provisions provide that such meeting may be closed when the disclosure of information under criteria established by Executive Order are to be kept secret in the interests of national defense or foreign policy,

and when information is specifically exempted from disclosure by statute. The information to be discussed at the meeting falls within the classification categories set forth in Executive Order 13526, Classified National Security Information (Dec. 29, 2009) and the Atomic Energy Act of 1954, 42 U.S.C. §§ 2161 and 2162, as amended.

## 21. Remarks

The Committee had its initial meeting in August 2014. During FY2015, the Committee met three times, two of which times were fact-finding sessions at the three national security laboratories. The third meeting in 2015 took place in Washington, DC, where the Committee met to consider draft inputs to its first report on the Workforce Challenge Study. The report was completed in a meeting in Washington DC, March 2016. No additional full committee meetings were held in FY 2016 and FY 2017. There was a subcommittee meeting held in FY17. In FY18 there were two committee meetings to receive organizational updates, finalize reports and discuss the path ahead on new topics.

## Designated Federal Officer

Kathleen Alexander DFO

Committee Members	Start	End	Occupation	Member Designation
Casani, John	12/22/2016	08/31/2020	Former Chief Engineer, NASA	Special Government Employee (SGE) Member
Cizewski, Jolie	12/22/2016	08/31/2020	Professor Rutgers	Special Government Employee (SGE) Member
Cook, Donald	07/08/2018	08/31/2022	Former Deputy Administrator DP	Special Government Employee (SGE) Member
Harvey, John	07/08/2018	08/31/2022	Former Principal Deputy Ass Sec of Def for NCB	Special Government Employee (SGE) Member
Hauer, Allen	12/22/2016	08/31/2020	Former Director, ICF	Special Government Employee (SGE) Member
Hruby, Jill	07/08/2018	08/31/2022	Former Director Sandia National Laboratories	Special Government Employee (SGE) Member
Immele, John	12/22/2016	08/31/2020	Former Deputy Director, National Security (LLNL)	Special Government Employee (SGE) Member
Johnson, Stephen	12/22/2016	08/31/2020	Former Director, Strategic Systems Programs	Special Government Employee (SGE) Member
Quintenz, Jeffrey	12/22/2016	08/31/2020	Senior Vice President, Energy Group, General Atomics	Special Government Employee (SGE) Member
Zinkle, Steve	07/08/2018	08/31/2022	Professor, University of Tennessee	Special Government Employee (SGE) Member

**Number of Committee Members Listed: 10**

## Narrative Description

In support of the mission of the Office of Defense Programs (DP) to provide a safe, secure and reliable nuclear deterrent as a key component of DOE's national security mission, the Defense Programs Advisory Committee will evaluate the full range of Stockpile

Stewardship and Management activities with the DP office, and where required, a broader range of issues in the National Nuclear Security Administration.

**What are the most significant program outcomes associated with this committee?**

Checked if Applies

- |   |                                     |
|---|-------------------------------------|
| Improvements to health or safety                  | <input type="checkbox"/>            |
| Trust in government                               | <input type="checkbox"/>            |
| Major policy changes                              | <input type="checkbox"/>            |
| Advance in scientific research                    | <input checked="" type="checkbox"/> |
| Effective grant making                            | <input type="checkbox"/>            |
| Improved service delivery                         | <input checked="" type="checkbox"/> |
| Increased customer satisfaction                   | <input type="checkbox"/>            |
| Implementation of laws or regulatory requirements | <input type="checkbox"/>            |
| Other   | <input type="checkbox"/>            |

**Outcome Comments**

Not Applicable

**What are the cost savings associated with this committee?**

Checked if Applies

- |                            |                                     |
|----------------------------|-------------------------------------|
| None                       | <input type="checkbox"/>            |
| Unable to Determine        | <input checked="" type="checkbox"/> |
| Under \$100,000            | <input type="checkbox"/>            |
| \$100,000 - \$500,000      | <input type="checkbox"/>            |
| \$500,001 - \$1,000,000    | <input type="checkbox"/>            |
| \$1,000,001 - \$5,000,000  | <input type="checkbox"/>            |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/>            |
| Over \$10,000,000          | <input type="checkbox"/>            |
| Cost Savings Other         | <input type="checkbox"/>            |

**Cost Savings Comments**

The DPAC makes recommendations which include comments on prioritization and efficient use of funds within Defense Programs. If adopted these recommendations may result in cost avoidance or more efficient use of available funds but are not quantifiable.

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

### Number of Recommendations Comments

There are 19 separate recommendations in the (classified) report Workforce for a Resilient U.S. Nuclear Deterrent. A number of these recommendations are being implemented as part of the NNSA response to direction in the 2016 NDAA to establish a stockpile responsiveness program.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

16%

### % of Recommendations Fully Implemented Comments

The exercise and demonstration of capabilities are being incorporated into the nuclear weapon enterprise end-to-end pre-production prototype-development activities.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

79%

### % of Recommendations Partially Implemented Comments

The exercise and demonstration of capabilities are being incorporated into the nuclear weapon enterprise end-to-end pre-production prototype-development activities.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

### Agency Feedback Comments

Defense Programs provides an update to the committee on the implementation status of each of its recommendations each time the committee formally meets.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

Actions in progress on report recommendations.

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

Not Applicable

**How is access provided to the information for the Committee's documentation?**

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input type="checkbox"/>
Online Committee Web Site	<input type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Access Comments**

The initial charge to the committee was presented at the Committee's first meeting. All meetings have been closed citing the national security and classified information exemption in the Government in the Sunshine Act.